

Storm Data and Unusual Weather Phenomena - March 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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IOWA, Southwest

(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY, (IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z090) FREMONT

03/01/13 00:00 CST	0	Drought
03/31/13 23:59 CST	0	

The drought intensity over west central Iowa in the Extreme category shrunk a little during March and by the end of the month it was generally near the Missouri River north of Council Bluffs. A Moderate or Severe Drought continued across of the area southeast of there. Precipitation for the month was mostly under 1 inch and in some cases less than a third of an inch. Normal precipitation for March is around 2 inches. The drought in western Iowa persisted into April.

(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY, (IA-Z069) POTTAWATTAMIE

03/10/13 03:00 CST	0	Winter Storm
03/11/13 09:00 CST	0	

(IA-Z043) MONONA, (IA-Z055) HARRISON

03/10/13 10:00 CST	0	Blizzard
03/10/13 17:00 CST	0	

(IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT

03/10/13 16:00 CST	0	Winter Weather
03/11/13 03:00 CST	0	

A powerful winter storm moved into the central Plains during the weekend of March 9-10th. The system initially brought warm weather and scattered showers and thunderstorms on the evening of the 8th into the morning of the 9th. As the main upper level storm system emerged on the Plains late on the 9th, a strong cold front moved from northwest to southeast across the area. Precipitation redeveloped behind this cold front associated with the upper level storm system, and quickly changed from light rain to light snow during the morning of the 10th. The snow, occasionally heavy, then continued through the day on the 10th and ended in the early morning hours on Monday March 11. Also associated with the system were strong northwest winds. Wind speeds of 30 to 40 mph were common during the day on Sunday March 10th leading to considerable blowing and drifting of the falling snow and reducing visibilities. This combination led to numerous traffic accidents, and for authorities to close Interstate 29 for a time north of Missouri Valley in Harrison and Monona Counties. Most schools were closed on Monday the 11th due to the poor travel conditions. Some of the higher snowfall totals ranged from 8.3 inches in Harlan, 9.2 inches in Mapleton, 10 inches in Earling, and 11.5 inches in Little Sioux. Generally snowfall amounts of 6 to 10 inches were common with the event.

NEBRASKA, East

(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z030) BOONE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON

03/01/13 00:00 CST	0	Drought
03/31/13 23:59 CST	0	

Drought conditions improved little across eastern Nebraska during March. Precipitation during the month was generally around one half inch to one inch, although a swath of totals around 2 inches prevailed near the I80 corridor from Lincoln through Omaha. Normals for March are around 1.75 to 2.0 inches. Thus, Exceptional Drought conditions continued in northeast Nebraska near and north of a line from Columbus to Tekamah with the Drought intensity remaining in the Extreme category southeast of there from around Lincoln and Beatrice northeast through Omaha and Blair. Conditions were slightly better southeast of Lincoln and Omaha, but they were still in the Severe category. The drought persisted into April.

(NE-Z015) THURSTON, (NE-Z033) CUMING, (NE-Z043) COLFAX, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON

03/09/13 19:00 CST	0	Winter Weather
03/11/13 01:00 CST	0	

(NE-Z034) BURT, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER

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	03/09/13 19:00 CST		0	Winter Storm
	03/11/13 01:00 CST		0	
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(NE-Z034) BURT, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z065) SEWARD, (NE-Z066) LANCASTER				
	03/10/13 08:00 CST		0	Blizzard
	03/10/13 17:00 CST		0	

A powerful winter storm moved into the central Plains during the weekend of March 9-10th. The system initially brought warm weather and scattered showers and thunderstorms on the evening of the 8th into the morning of the 9th. As the main upper level storm system emerged on the Plains late on the 9th, a strong cold front moved from northwest to southeast across the area. Precipitation redeveloped behind this cold front associated with the upper level storm system and quickly changed from light rain to light snow during the early morning hours of the 10th. Isolated reports of sleet and light freezing rain were reported as the precipitation changed from light rain to snow, but significant ice accumulations were not reported. The snow, occasionally heavy, then continued through the day on the 10th and ended in the early morning hours on Monday March 11. Also associated with the system were strong northwest winds. Wind speeds of 30 to 40 mph were common during the day on Sunday March 10th leading to considerable blowing and drifting of the falling snow and reduced visibilities. This combination led to numerous traffic accidents and for authorities to close Interstate 80 for a time west of Lincoln in Lancaster and Seward Counties. Most schools were closed on Monday the 11th due to the poor travel conditions. Some of the higher snowfall totals ranged from 8.5 inches at the Naitonal Weather Service in Valley and in Seward, 9 inches at Eppley Airfield in Omaha and also in North Bend, 11 inches was reported in David City, and Fremont recorded 11.5 inches. Generally snowfall amounts of 6 to 11 inches were common with the event in the heaviest band.